

THREE NEW NEOTROPICAL MOSQUITOES

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Sabethes chroiopus, new species.

Male: Proboscis moderate, distinctly swollen toward apex, clothed with violaceous scales. Palpi short, violet-black scaled. Clypeus prominent, subtriangular, flattened, luteous, with silvery white pubescence along margins. Antennæ slender, filiform, the last two joints somewhat longer, the others subequal, with basal whorls of very long, rather sparse hairs and median whorls of very short hairs; tori black, nude. Occiput clothed with dark metallic violet and blue scales.

Prothoracic lobes large and collar-like, clothed with dark metallic blue scales with green and violaceous reflections. Mesonotum and scutellum clothed with metallic scales, changing from blue to green and bronze in different lights. Postnotum piceous, with a distinct median lobe, with several coarse black bristles posteriorly; without scales.

Abdomen long and slender, broadest at base and apex; dorsal vestiture dark metallic blue with iridescent reflections, venter pale golden scaled, the colors separated on the sides in a nearly straight line; apex with dorsal and lateral tufts of coarse black bristles; lateral ciliation short and very fine, rather sparse, pale.

Wings hyaline, narrow; second marginal cell much more than twice the length of its petiole, anterior and posterior cross-veins very nearly incident; scales moderately broad, subtruncate.

Legs long and slender, dark metallic violet scaled, the middle pair only with paddle-shaped scale-tufts; paddles involving the outer half of tibia and all of first tarsal joint, showing a slight indentation at tibio-tarsal articulation; scales of paddles mostly black, a white apical patch on anterior side of tibia, a subapical white patch on anterior side of first tarsal and an apical white patch on its posterior side. Claws simple and equal on front and hind legs, unequal on mid pair, with one of them modified.

Length: Body about 5.5 mm.; wing, 4 mm.

Potaro Highlands, British Guiana, May, 1909 (de Freitas, through W. H. B. Moore).

Type: Cat. No. 15999, U. S. Nat. Mus.

Most nearly related to *Sabethes bipartipes* D. and K., but differing in the disposition of the white on the scale-paddles of the middle legs.

Aedes ioliota, new species.

Female: Proboscis rather long and slender, uniform, black scaled throughout. Palpi short, black scaled, the apices silver-white scaled. Antennæ filiform, the joints subequal, with basal whorls of sparse, rather long hairs; tori dark brown. Occiput clothed with black lanceolate scales, a median stripe of narrow curved yellowish silver scales; margins of eyes and a broad sublateral stripe as well as the cheeks yellowish silver scaled; some upright forked black scales well back on the nape.

Prothoracic lobes remote dorsally, with a patch of flat bright silvery scales. Mesonotum rich brown, clothed with minute curved deep brown scales and with lines of larger silvery and pale golden scales disposed as follows: A pair of submedian pale golden lines extending from near anterior margin to posterior third, followed by a silvery median line extending over antescutellar space; a golden line at either side of antescutellar space, extending forward from base to near middle of disc; a submarginal silver line extending from root of wing forward over anterior angles; a small silver spot medianly at anterior margin. Scutellum with a patch of black scales on mid lobe, divided by a stripe of silver scales which are followed by a tuft of pale yellow hairs; lateral lobes with some silvery scales in continuation of the stripes on mesonotum. Postnotum brown, nude. Pleuræ brownish luteous with some small patches of silver scales.

Abdomen subcylindrical, segments 5, 6, and 7 apically expanded beneath; dorsal vestiture black, a series of large, segmental, lateral patches of silver scales, segments 3 to 6 with a small, indistinct, yellowish, median basal spot, the seventh segment with a small silver median basal spot; venter silver scaled with apical segmental black bands.

Wings rather narrow, hyaline; scales along the veins dark brown, those on the costa blackish; outstanding scales narrowly ligulate.

Legs rather long, slender; vestiture black and white; knees silvery white; front tarsi with the first two joints narrowly ringed with white at bases; middle tarsi with the first three joints narrowly white-ringed at bases; hind tarsi with the first three joints broadly white-ringed at bases, the fourth entirely black, the fifth entirely white. Claw formula 0.0-0.0-0.0.

Length: Body, about 4 mm.; wing, 3.5 mm.

Trinidad, West Indies (F. W. Urich).

Type: Cat. No. 16000, U. S. Nat. Mus.

Four females bred from larvæ in water in a hollow tree. The species resembles, in most respects, *Aedes albonotata* Coquillett, from Santo

Domingo. It differs notably in the marking of the hind tarsi. In *albonotata* the last two tarsals are black and the white rings on the other joints are progressively broader, which is not the case in the present form.

Uranotænia hystera, new species.

Male: Proboscis rather long, distinctly swollen at tip, brownish-black scaled. Palpi very short, blackish. Clypeus small, broad, subtriangular, dark brown. Antennæ filiform, the joints subequal, coarsely ciliate, with basal whorls of short and sparse hairs; tori large, dark brown. Occiput clothed with broad, flat, pale scales, a few suberect narrower white ones on the vertex.

Mesonotum rich brown on the disc, the sides narrowly, the anterior angles and front margin broadly pale yellowish; scales on disc sparse, hair-like, black, a short line of broad white scales before roots of wings, anterior angles and front margin with yellowish-white narrow curved scales; bristles coarse and long, black. Scutellum brown, clothed with dark brown, rather broad, subtruncate scales, some similar scales at sides of antescutellar space. Postnotum dusky brown, pale at the sides, with a fine median ridge. Pleuræ and coxæ pale yellowish.

Abdomen depressed, parallel-sided, blunt at the tip; dorsal vestiture dull black, the segments beyond the first with apical yellowish-white bands which are narrowed laterally and abbreviated on some of the segments; venter pale scaled with indistinct basal segmental bands.

Wings broad, hyaline; second marginal cell about one-third the length of its petiole; second posterior cell shorter than its petiole; posterior cross-vein more than its own length from anterior cross-vein; scales of the veins dull brown, those on the costa nearly black, the large lanceolate outstanding scales on the third and fourth veins pale; a short line of bluish-white scales at base of fourth and continued on fifth vein over basal fourth.

Legs moderately long, rather slender; vestiture uniformly dark brown with a bronzy luster. Claws minute, simple.

Length: Body, about 2 mm.; wing, 2 mm.

Manoa, Orinoco River, Venezuela, January, 1910 (Dr. F. L. de Verteuil).

Type: Cat. No. 16001, U. S. Nat. Mus.

Resembles *Anisocheleomyia leucoptera* Theobald, founded on a single male from British Guiana, but apparently distinct.

Date of publication, June 30, 1913.